

Western Electric Co., Incorporated,  
Engineering Dept.,  
New York.

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METHOD OF OPERATION  
SIGNAL CIRCUIT

Flashing Recall - "A" Positions Switchboard - Full Mechanical Power Driven System -

GENERAL DESCRIPTION

1. This circuit is used at the "A" switchboard with intercepting and zero operator's cord circuits to flash the cord supervisory lamp in recalling the operator. The circuit is provided with a buzzer as an auxiliary signal.

DETAILED DESCRIPTION

OPERATION

2. When the switchhook is momentarily depressed as a recall signal, the functions of relays in the associated cord circuit cause the supervisory lamp to light. When the switchhook is released the operation of the supervisory relay connects a 40 ohm shunt around the supervisory lamp, through one winding of the FS relay to battery on the contact of the FS-1 relay. The FS relay operates and closes a circuit to operate the FS-1 relay. The operation of this relay is controlled by the 149-D interrupter. Each time the FS-1 relay operates, the supervisory lamp flashes and the 12027 buzzer functions, giving an audible signal.

3. The operation of the talking key in the cord circuit causes the supervisory lamp to be extinguished and the FS relay to release restoring the circuit to normal.

CIRCUIT REQUIREMENTS

OPERATE

NON OPERATE

RELEASE

B38 (FS) Test .090 amp.  
inner (.2) Readj. .085 amp.

Test .014 amp.  
Readj. .028 amp.

Outer (250) Thru relay winding  
Test .014 amp.  
Through parallel  
combination.  
Test .026 amp.

E145	Thru relay winding	Thru relay winding
(FS-1)	Readj. .012 amp.	Readj. .009 amp.
	Thru parallel combina-	Through parallel combination.
	tion. Test. .037	Test .015 amp.
	Readj. .022 amp.	Readj. .017 amp.

ENG.--MGL-JO.  
11-9-21.

CHK'D.--CHW.

APPROVED - C. L. SLYTER, G.M.L.